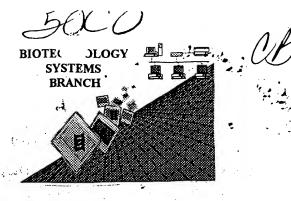_50X0_

BIOTE(   )LOGY
SYSTEMS
BRANCH

_CB_

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _09/889,802_

Source: _Pct/09_

Date Processed by STIC: _8/1/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE**
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A**
   NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW.

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program
employing a logical and intuitive user-interface to check whether a sequence listing is in
compliance with format and content rules. Checker Version 3.0 works for sequence listings
generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old
rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual
Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-
compliant. Checker allows public users to check sequence listings in Computer Readable form
(CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence
listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

PCT09

```
              RAW SEQUENCE LISTING              DATE: 08/01/2001
              PATENT APPLICATION:  US/09/889,802    TIME: 18:28:48

              Input Set : A:\es.txt
              Output Set: N:\CRF3\08012001\I889802.raw
```

Does Not Comply
Corrected Diskette Needed

to 1-3

```
W-->   1  SEQUENZPROTOKOLL  delete
       3  <110> APPLICANT: Kreutzer Dr., Roland
       4        Limmer Dr., Stephan
       6  <120> TITLE OF INVENTION: Verfahren und Medikament zur Hemmung der Expression
       7        eines vorgegebenen Gens
       9  <130> FILE REFERENCE: 400968
C-->  11  <140> CURRENT APPLICATION NUMBER: US/09/889,802
C-->  12  <141> CURRENT FILING DATE: 2001-07-20
      14  <150> PRIOR APPLICATION NUMBER: 199 03 713.2
      15  <151> PRIOR FILING DATE: 1999-01-30
      17  <150> PRIOR APPLICATION NUMBER: 199 56 568.6
      18  <151> PRIOR FILING DATE: 1999-11-24
      20  <160> NUMBER OF SEQ ID NOS: 8
      22  <170> SOFTWARE: PatentIn Ver. 2.1
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      25  <211> LENGTH: 45
      26  <212> TYPE: DNA
      27  <213> ORGANISM: Knstliche Sequenz
      29  <220> FEATURE:
      30  <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz:
      31        EcoRI-Schnittstelle, T7-RNA-Polymerasepromotor
      33  <400> SEQUENCE: 1
      34  ggaattctaa tacgactcac tatagggcga tcagatctct agaag            45
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      38  <211> LENGTH: 50
      39  <212> TYPE: DNA
      40  <213> ORGANISM: Knstliche Sequenz
      42  <220> FEATURE:
      43  <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz:
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      46  <400> SEQUENCE: 2
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      53  <213> ORGANISM: Knstliche Sequenz
      55  <220> FEATURE:
      56  <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz: RNA, die
      57        einer Sequenz aus der "positive control DNA" des
      58        HeLaScribe Nuclear Extract in vitro
      59        Transkriptionskits der Firma Promega entspricht
      61  <400> SEQUENCE: 3
      62  ucagaucucu agaagcuuua augcgguagu uuaucacagu uaaauugcua acgcagucag   60
      63  gcaccgugua ugaaaucuaa caaugcgcuc aucgucaucc ucggcaccgu cacccuggau  120
      64  gcguaggca uaggcuuggu uaugccggua cugccgggcc ucuugcggga uaucguccau  180
      65  uccgacagca ucgccaguca cuauggcgug cugcuagcgc uauaugcguu gaugcaauuu  240
      66  cuaugcgcac ccguucucgg agcacugucc gaccgcuuug gccgccgccc aguccugcuc  300
```

all U.S. applications
must be in English.

RAW SEQUENCE LISTING   DATE: 08/01/2001
PATENT APPLICATION: US/09/889,802   TIME: 18:28:48

Input Set : A:\es.txt
Output Set: N:\CRF3\08012001\I889802.raw

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 71 <211> LENGTH: 363
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Knstliche Sequenz
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz: DNA, die
 77       einer Sequenz aus der "positive control DNA" des
 78       HeLaScribe Nuclear Extract in vitro
 79       Transkriptionskits der Firma Promega entspricht
 81 <400> SEQUENCE: 4
 82 tcagatctct agaagcttta atgcggtagt ttatcacagt taaattgcta acgcagtcag 60
 83 gcaccgtgta tgaaatctaa caatgcgctc atcgtcatcc tcggcaccgt caccctggat 120
 84 gctgtaggca taggcttggt tatgccggta ctgccgggcc tcttgcggga tatcgtccat 180
 85 tccgacagca tcgccagtca ctatggcgtg ctgctagcgc tatatgcgtt gatgcaattt 240
 86 ctatgcgcac ccgttctcgg agcactgtcc gaccgctttg gccgccgccc agtcctgctc 300
 87 gcttcgctac ttggagccac tatcgactac gcgatcatgg cgaccacacc cgtcctgtgg 360
 88 atc                                                           363
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 92 <211> LENGTH: 315
 93 <212> TYPE: RNA
 94 <213> ORGANISM: Knstliche Sequenz
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz: Sequenz aus
 98       dem YFP-Gen
100 <400> SEQUENCE: 5
101 auggugagca agggcgagga gcuguucacc gggguggugc ccauccuggu cgagcuggac 60
102 ggcgacguaa acggccacaa guucagcgug uccggcgagg gcgagggcga ugccaccuac 120
103 ggcaagcuga cccugaaguu caucugcacc accggcaagc ugcccgugcc cuggcccacc 180
104 cucgugacca cccugaccua cggcgugcag ugcuucagcc gcuacccçga ccacaugaag 240
105 cagcacgacu ucuucaaguc cgccaugccc gaaggcuacg uccaggagcg caccaucuuc 300
106 uucaaggacg acggc                                              315
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 52
111 <212> TYPE: DNA
112 <213> ORGANISM: Knstliche Sequenz
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz:
116       EcoRI-Schnittstelle, T7-RNA-Polymerasepromotor,
117       komplement,rer Bereich zum YFP-Gen
119 <400> SEQUENCE: 6
120 ggaattctaa tacgactcac tatagggcga atggtgagca agggcgagga gc           52
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 53
125 <212> TYPE: DNA
126 <213> ORGANISM: Knstliche Sequenz
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz:
130       BamHI-Schnittstelle, SP6-RNA-Polymerasepromotor,
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```
            RAW SEQUENCE LISTING              DATE: 08/01/2001
            PATENT APPLICATION:  US/09/889,802    TIME: 18:28:48

            Input Set : A:\es.txt
            Output Set: N:\CRF3\08012001\I889802.raw

131         komplement,rer Bereich zum YFP-Gen
133 <400> SEQUENCE: 7
134 gggatccatt taggtgacac tatagaatac gccgtcgtcc ttgaagaaga tgg         53
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138 <211> LENGTH: 21
139 <212> TYPE: RNA
140 <213> ORGANISM  Knstliche Sequenz
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Beschreibung der knstlichen Sequenz: RNA, die
144         einer Sequenz aus dem YFP-Gen entspricht
146 <400> SEQUENCE: 8
147 ucgagcugga cggcgacgua a                                            21
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/889,802**

DATE: 08/01/2001
TIME: 18:28:49

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\08012001\I889802.raw**

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

STATISTICS SUMMARY   DATE: 08/01/2001
PATENT APPLICATION: US/09/889,802   TIME: 18:28:49

            Input Set : **A:\es.txt**
            Output Set: **N:\CRF3\08012001\I889802.raw**

Application Serial Number: US/09/889,802
Alpha or Numeric: Numeric
Application Class:
Application File Date: 07-20-2001
Art Unit: PCT09
Software Application: PatentIn
Total Number of Sequences: 8
Total Nucleotides: 1239
Total Amino Acids: 0
Number of Errors: 0
Number of Warnings: 1
Number of Corrections: 2

MESSAGE SUMMARY

259 W: 1 (Allowed number of lines exceeded)
270 C: 1 (Current Application Number differs)
271 C: 1 (Current Filing Date differs)